



35A5

BEAM POWER AMPLIFIER

35A5

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 35.0 ac or dc volts
Current. 0.15 amp

Mechanical:

Mounting Position. Any
Maximum Overall Length 3-5/32"
Maximum Seated Length. 2-5/8"
Maximum Diameter 1-3/16"
Bulb T-9
Base Lock-in 8-Pin
Basing Designation for BOTTOM VIEW 6AA

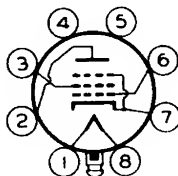
Pin 1 - Heater

Pin 2 - Plate

Pin 3 - Grid No.2

Pin 4 - No
Connection

Pin 5 - No
Connection



Pin 6 - Grid No.1

Pin 7 - Cathode,
Grid No.3

Pin 8 - Heater

Plug - Base
Shell

AF POWER AMPLIFIER - Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 200 max. volts
GRID-No.2 (SCREEN) VOLTAGE 125 max. volts
PLATE DISSIPATION. 8.5 max. watts
GRID-No.2 DISSIPATION. 1.0 max. watt
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode. 90 max. volts
Heater positive with respect to cathode. 90 max. volts

Typical Operation and Characteristics:

Plate Voltage.	110	200	. .	volts
Grid-No.2 Voltage	110	110	. .	volts
Grid-No.1 (Control-Grid) Voltage .	-7.5	-8	. .	volts
Zero-Signal Plate Current.	40	41	. .	ma.
Max.-Signal Plate Current.	41	44	. .	ma.
Zero-Signal Grid-No.2 Current. . .	3.0	2.0	. .	ma.
Max.-Signal Grid-No.2 Current. . .	7.0	7.0	. .	ma.
Plate Resistance (Approx.)	16000	40000	. .	ohms
Transconductance	5800	5900	. .	μmhos
Load Resistance.	2500	4500	. .	ohms
Total Harmonic Distortion.	10	10	. .	%
Max.-Sig. Power Output	1.5	3.3	. .	watts

Maximum Circuit Values (for maximum rated conditions):

Grid-No.1-Circuit Resistance:

For fixed bias 0.1 . . megohm
For cathode bias 0.5 . . megohm

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TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA